



# 2014-2015 EMERGENCY MANAGEMENT AND HOMELAND SECURITY TRAINING CENTER COURSE CATALOG

The Michigan Department of State Police (MSP) is partnered with the Michigan Department of Community Health (MDCH) to provide an online registration process and web-based learning community. [MI-TRAIN](#) is designed to give students a single location to register for courses, take online courses, and direct access to their certificates and transcripts. There are various ways to find courses; however, it is recommended to enter the Course ID (listed below) into the search box located on the top right of the MI-TRAIN home page.

## FY 2015 COURSES

COURSE TITLE (Alphabetically Listed)	MI-TRAIN COURSE ID	DATES
<a href="#">51<sup>st</sup> CST/Hazmat Teams Training and Exercise</a>	1045109 Training  1045664 Exercise	October 9-10, 2014 November 5-6, 2014 January 29-30, 2015 May 18-20, 2015 July 28-31, 2015 September 22-23, 2015
<a href="#">Advanced Disaster Management Simulator (ADMS) Training</a>	Various	Contact staff to schedule.
<a href="#">Advanced HazMatIQ</a>	1033952	June 5, 2015
<a href="#">Air Monitoring for First Responder Operations Personnel</a>	N/A	Contact staff to schedule.
<a href="#">Air Monitoring for Hazardous Materials EPA 165.4</a>	1035025	Contact staff to schedule.
<a href="#">Basic Public Information Officers Workshop (G290) *</a>	1017932	November 12-13, 2014 February 17-18, 2015 May 26-27, 2015
<a href="#">CBRNE Technician for Hazardous Materials Technicians</a>	1029094	Contact staff to schedule.
<a href="#">Chemistry I</a>	1028961	October 28-30, 2014 April 21-23, 2015
<a href="#">Chemistry II</a>	1029000	December 9-11, 2014 May 19-21, 2015
<a href="#">Chemistry Refresher</a>	1052388	January 23, 2015
<a href="#">Confined Space Rescue–Emergency Response 32 hr.</a>	N/A	Contact staff to schedule.
<a href="#">Confined Space Rescue–Private Sector</a>	N/A	Contact staff to schedule.
<a href="#">Exercise Design, Development and Evaluation Improvement Planning Course (G120/G130) *</a>	1043370	November 17-20, 2014 February 2-5, 2015 July 6-9, 2015
<a href="#">Gasoline Tank Truck Emergencies</a>	1029099	April 10, 2015 August 31, 2015
<a href="#">Hazard Communication and Right-to-Know</a>	1032780	Contact staff to schedule.
<a href="#">Hazard Mitigation/Comprehensive Plan Interface (G626) *</a>	1017432	December 2-3, 2014 June 2-3, 2015
<a href="#">Hazardous Materials Incident Command Level Responder Refresher</a>	N/A	Contact staff to schedule.
<a href="#">Hazardous Materials Incident Command System</a>	N/A	Contact staff to schedule.
<a href="#">Hazardous Materials Incident Response Operations EPA 165.5 (40-Hour HAZWOPER)</a>	1029070	March 2-6, 2015 September 21-25, 2015
<a href="#">Hazardous Materials Officer (NFPA 472, Chapters 11 and 12)</a>	1034094	January 6-9, 2015 June 1-4, 2015
<a href="#">Hazardous Materials Operations Level Responder Refresher</a>	N/A	Contact staff to schedule.
<a href="#">Hazardous Materials Operations Level Response-Private Sector</a>	1037212	Contact staff to schedule.
<a href="#">Hazardous Materials Technician Level Responder Refresher</a>	1030540	Contact staff to schedule.
<a href="#">Hazardous Materials Technician Level Response-Private Sector-24-Hour &amp; 40-Hour</a>	1033199	Contact staff to schedule.
<a href="#">Hazardous Materials Technician Part I</a>	1029020	March 23-27, 2015 May 11-15 2015 September 14-18, 2015

<a href="#">Hazardous Materials Technician Part II</a>	1029041	October 17-19 & 24-26, 2014 April 13-17, 2015 August 17-21, 2015
<a href="#">Hazardous Materials Technician Part II Refresher</a>	1052412	April 27, 2015
<a href="#">Hazardous Waste Operations (HAZWOPER) 8-Hour Refresher</a>	1029004	December 5, 2014 March 9, 2015 April 24, 2015 September 3, 2015
<a href="#">Hazardous Waste Operations for Site Supervisors</a>	N/A	Contact staff to schedule.
<a href="#">HazMatIQ Above the Line/Below the Line–Technician Level</a>	1033943	January 21, 2015 September 2, 2015
<a href="#">HazMatIQ First Responder Offensive–Operations Level</a>	1033910	April 6, 2015 (afternoon and evening session)
<a href="#">Highway Cargo Tank Specialty</a>	1034713	October 6-8, 2014
<a href="#">ICS 300–Intermediate ICS for Expanding Incidents</a>	1029037	October 21-23, 2014 March 10-12, 2015
<a href="#">ICS 400–Advanced ICS Command &amp; General Staff–Complex Incidents</a>	1029045	April 28-29, 2015
<a href="#">Incident Command System (ICS) Private Sector</a>	1037214	Contact staff to schedule.
<a href="#">Incident Command System/Emergency Operations Center Interface (G191) *</a>	1017942	January 12, 2015 May 13, 2015
<a href="#">Intermodal Specialty for Hazardous Materials Technicians</a>	1029067	Contact staff to schedule.
<a href="#">Mercury Spill Response</a>	1032685	Contact staff to schedule.
<a href="#">MI CIMS (WebEOC) End-User Training-Local Emergency Management Responders</a>	1034950	Various Dates (See MI-TRAIN)
<a href="#">Michigan Specific Core EM Knowledge Requirement (MI-CEMKR) *</a>	1046211	November 5-7, 2014 March 16-18, 2015 July 20-22, 2015
<a href="#">NIMS ICS All-Hazards Finance/Administration Course (E/L 973)</a>	1052483	April 7-9, 2015
<a href="#">NIMS ICS All-Hazards Logistics Section Chief Course (E/L 967)</a>	1052491	February 23-27, 2015
<a href="#">NIMS-ICS All-Hazards Operations Section Chief Course (E/L 958)</a>	1052492	January 27-30, 2015
<a href="#">NIMS-ICS All-Hazards Planning Section Chief Course (E/L 962)</a>	1052496	February 9-12, 2015
<a href="#">Permit Required Confined Space (PRCS) Entry–Private Sector</a>	N/A	Contact staff to schedule.
<a href="#">Professional Emergency Manager Designation Exam *</a>	1018983	December 4, 2014 April 20, 2015 August 7, 2015
<a href="#">Professional Recognition Programs</a>	N/A	Various
<a href="#">Railcar Specialty for Hazardous Materials Technician</a>	1029065	Contact staff to schedule.
<a href="#">WMD Awareness Level Training (AWR-160)</a>	1029043	Contact staff to schedule.
<a href="#">WMD Radiological/Nuclear Awareness (AWR-140)</a>	N/A	Contact staff to schedule.
<a href="#">Workshop in Emergency Management: Legal Issues in Emergency Management (G222)</a>	1017947	December 15, 2014 April 1, 2015

## ONLINE COURSES

COURSE TITLE	MI-TRAIN COURSE ID
<a href="#">CBRNE Defensive Operations LANX Chemical Protective Overgarment Video</a>	1021453
<a href="#">Damage Assessment for Emergency Operations Center Staff*</a>	1016123
<a href="#">Damage Assessment Teams *</a>	1015568
<a href="#">Grants and Resources *</a>	1046746
<a href="#">Hazmat/WMD Air Monitoring</a>	1023509
<a href="#">Hazmat/WMD Awareness</a>	1023505
<a href="#">Hazmat/WMD Characteristics of Hazardous Materials</a>	1023507
<a href="#">Hazmat Chemical Spill Scenario</a>	1024050
<a href="#">Hazmat/WMD Decontamination</a>	1023511

<a href="#">Hazmat/WMD Personal Protective Equipment</a>	1023510
<a href="#">Hazmat/WMD Regulations</a>	1023506
<a href="#">Hazmat/WMD Terrorism</a>	1023512
<a href="#">Hazmat/WMD Toxicology</a>	1023508
<a href="#">Radiological Emergency Preparedness (REP) Basic</a>	1018545

Note: Many emergency management courses have prerequisites consisting of Independent Studies (IS) and/or EMHSD classroom courses (see course descriptions for more information). The Independent Studies are free, web-based, and downloadable through the Federal Emergency Management Agency (FEMA) Web site at <http://training.fema.gov/IS/crslist.asp>

\* Indicates Professional Emergency Manager (PEM) requirement. For more information about the Professional Emergency Manager Program please review the PEM Program Manual located at [www.michigan.gov/emhsd-training](http://www.michigan.gov/emhsd-training).

## CLASSROOM COURSES

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### 51<sup>st</sup> CST/Hazmat Teams Training and Exercise

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The Michigan National Guard 51st WMD Civil Support Team (CST) is required to conduct regional exercises each fiscal year. The 51st CST requested the assistance of the Michigan State Police, Emergency Management and Homeland Security Training Center (EMHSTC) to reach out to the local Hazardous Materials (HazMat) teams to provide a preceding day of training in collaboration with these regional monthly exercises. All regional first responders including fire, law enforcement, HazMat, EMS, bomb and tactical teams are encouraged to attend the training and exercise in part or for the full duration.

The EMHSTC is committed to delivering an educational day of training to prepare the local HazMat teams for these exercises. The EMHSTC plans to cover the following topics:

- 51st CST equipment overview
- 51st CST tactics, techniques, and procedures
- Interoperable communications
- Michigan Emergency Management Plan (MEMP)
- DOD emergency response capabilities
- IAP development and the use of ICS 200 forms
- DOD emergency
- Any pertinent HazMat refresher topics

In addition, we welcome any additional requests for training subjects that would be jurisdictional specific. All participants will be required to sign in for the day(s) on the ICS 211 Check in sheet. Please feel free to email [garciat@michigan.gov](mailto:garciat@michigan.gov) or call (517) 322-1853 for details specific to your regional training and exercise.

**Hours:** Various

**Cost:** No Cost

**MI-TRAIN Course IDs:** 1045109 Training  
1045664 Exercise

**Dates and Locations:** October 9-10, 2014 for Region 1 (East Lansing)  
November 5-6, 2014 for Region 8 (Mackinaw City)  
January 29-30, 2015 for Region 5 (TBA)  
May 18-20, 2015 for Region 6 (Ludington)  
July 28-29, 2015 for Region 3 (Midland)  
July 30-31, 2015 for Region 2 (Detroit Metro Airport)  
September 22-23, 2015 for Region 7 (Cadillac)

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### Advanced Disaster Management Simulator (ADMS) Training

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The Advanced Disaster Management Simulator (ADMS) available through the Emergency Management and Homeland Security Training Center (EMHSTC) offers true-to-life virtual environments with artificial intelligence for training at all levels. Trainees gain practical experience and decision-making skills needed to successfully resolve real-life incidents. Scenarios can be tailored to meet your facility's specific hazards to provide personnel with initial and refresher training. The training hours vary depending upon the number of students and type of scenarios requested.

**Hours:** Various

**MI-TRAIN Course ID:** 1043419

Email [tackett1@michigan.gov](mailto:tackett1@michigan.gov) for cost and to schedule.

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## Advanced HazMatIQ

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Advanced HazMatIQ is designed to take responders from the basics of Hazard identification, meter and PPE selection to the more advanced emergency response sampling and chemical identifying in one day. Once responders reach the Hot Zone, Advanced HazMatIQ instructs responders on “best practices” for emergency response sampling, then further explains the where, when, why and how to use Inferred and Raman technologies to properly identify unknown chemicals or simple mixtures.

**Prerequisites:** HazMatIQ Above the Line/Below the Line

**Hours:** 8

**Cost:** \$130

**MI-TRAIN Course ID:** 1033952

**Dates and Locations:** June 5, 2015 in Lansing

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## Air Monitoring for First Responder Operations Personnel

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This one-day course is intended to provide participants with the knowledge and skills necessary to meet the educational competencies as outlined in NFPA 472 Chapter 6: “Mission Specific Competencies for Air Monitoring and Sampling,” which will provide participants with the knowledge and skills necessary to monitor for airborne hazardous substances at incidents. The primary focus of this course will be the first due company and what their priorities are for air monitoring and corresponding action levels. Through the utilization of basic air monitoring, the first company can better identify the hazards and choose the best course of actions based on the principles of risk based response. A variety of instruments will be used during the course presentation and practical exercises, including combustible gas indicators, oxygen sensors, and different test papers. This course is important for every operations trained first responder.

This course is Department of Homeland Security (DHS) accepted and applicable to the use of DHS grant funds.

**Prerequisite:** Hazardous Materials First Responder Operations

**Hours:** 8

Call (517) 322-1853 or email [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

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## Air Monitoring for Hazardous Materials EPA 165.4

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This three-day course provides participants with the knowledge and skills necessary to monitor and sample for airborne hazardous substances. A variety of instruments will be used during the course presentation and practical exercises, including combustible gas indicators, oxygen sensors, colorimetric tubes, photo ionization detectors, flame ionization detectors, and sampling pumps. Topics to be covered include monitoring programs, monitoring and sampling techniques, equipment selection, equipment calibration and use, exposure guidelines, air dispersion modeling, and safety planning.

This course is Department of Homeland Security (DHS) accepted and applicable to the use of DHS grant funds.

**Prerequisite:** Hazardous Materials Technician Part I

**Hours:** 24

**MI-TRAIN Course ID:** 1035025

Call (517) 322-1853 or email [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

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## Basic Public Information Officers Workshop (G290) \*

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This two-day workshop for entry-level or less experienced disaster Public Information Officers and staff emphasizes the skills needed to manage crisis information in emergency and disaster events. Topics include responsibilities of a Public Information Officer in disasters, effective media interviews, crisis information planning, and Joint Information Center (JIC) management.

**Suggested Courses:** IS-1, IS-230, IS-244, and IS-702

**MI-TRAIN Course ID:** 1017932

**Dates and Location:** November 12-13, 2014 in Lansing  
February 17-18, 2015 in Lansing  
May 26-27, 2015 in Gaylord

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## CBRNE Technician for Hazardous Materials Technicians

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This CBRNE Technician for Hazardous Materials Technicians training course is a three-day, in-depth training course in the composition, action, identification, and decontamination of CBRNE agents that have the potential for use in a terrorist incident. This course also includes training in the preservation of evidence at a CBRNE scene, an overview of the international and domestic terrorist threat, and a series of practical exercises involving WMD detection, identification, and protective equipment and techniques for operating at a CBRNE terrorist incident. This training course culminates with a multi-task, hands-on training exercise.

**Prerequisites:** Hazardous Materials Technician

**Hours:** 24

Call (517) 322-1853 or email [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

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## Chemistry I

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The Chemistry of Hazardous Materials courses are designed to meet the needs of personnel involved at various stages of hazardous materials planning and response. The Chemistry course series provides a chemistry background for any person who comes in contact with hazardous materials in transportation, a facility, or the workplace, and provides practical application of this knowledge to planning activities, hazard communication programs, and chemical spill responses.

The three-day Chemistry I course provides students with an introduction to the chemistry of hazardous materials. This course will explore basic chemistry concepts, areas such as: elements, atomic structure, the periodic table, electronic configuration, bonding, and chemical formulas. In addition, the chemistry and hazards associated with hydrocarbons, hydrocarbon derivatives, and fire and pyrolysis will be covered in detail.

**Hours:** 24

**Cost:** \$390 (2 nights of double occupancy lodging included)

**MI-TRAIN Course ID:** 1028961

**Dates and Locations:** October 28-30, 2014 in Lansing  
April 21-23, 2015 in Lansing

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## Chemistry II

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Chemistry II is the next level course in this series which reinforces the information and concepts learned in Chemistry I. This three-day course will explore, in detail, the chemistry of each of the United States Department of Transportation's (DOT's) nine hazard classes.

**Prerequisite:** Chemistry I

**Hours:** 24

**Cost:** \$390 (2 nights of double occupancy lodging included)

**MI-TRAIN Course ID:** 1029000

**Dates and Locations:** December 9-11, 2014 in Lansing  
May 19-21, 2015 in Lansing

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## Chemistry Refresher

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The first part of this one-day course will provide the student with a thorough review of inorganic chemistry, including salts and non-salts, then progressing into organic chemistry, including hydrocarbons and hydrocarbon derivatives. Nomenclature, molecular structures, and chemical behavior will be discussed as it relates to the first responder. The second part of the class will be a hands-on practical laboratory exercise using air monitoring equipment and analytical equipment for risk assessment and identification of various chemical compounds and mixtures.

**Prerequisite:** Chemistry I and Chemistry II or the equivalent

**Hours:** 8

**Cost:** \$130

**MI-TRAIN Course ID:** 1052388

**Dates and Locations:** January 23, 2015 in Lansing

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## Confined Space Rescue–Emergency Response 32-Hour

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This four-day course has been developed for members of public and private sector emergency rescue organizations and meets the objectives of the NFPA 1670 Technical Rescue Standard. This course provides the information and skills necessary for emergency response organizations to effectively and safely conduct confined space rescue operations. Areas covered will include: confined space regulations, incident management, interior operations, atmospheric monitoring, rescue ventilation, lockout for rescue, respiratory protection, PPE, rescue team development, and pre-planning.

**Hours:** 32

Call (517) 322-1853 or email [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

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## Confined Space Rescue–Private Sector

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Under existing health and safety rules, rescue capability must be readily available at every location where workers enter a permit-required confined space (PRCS). The primary goal of this rescue course is to teach students how to develop pre-accident plans for various rescues and rescue skills needed to remove a victim from a permit space.

This two-day course is for anyone who, during the course of their employment, is expected to make rescues from confined spaces. This course is a combination of classroom and practical scenarios in actual confined spaces. The program content is easily modified to meet the specific hazards of the PRCS of your facility.

### Course Objectives

- Preparing a rescue plan
- Rescue equipment overview
- Patient packaging
- Air supply systems
- Command and communicator (radio communications systems)
- Air monitoring
- Lockout/tagout

**Prerequisite:** Permit Required Confined Space Entry - Private Sector

**Hours:** 16

Call (517) 322-1853 or email [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.



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## Exercise Design, Development and Evaluation Improvement Planning Course (G120/G130) \*

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This three-and-a-half day course takes students through all 8-steps of exercise design using the fundamentals of the Homeland Security Exercise and Evaluation Program (HSEEP). By the end of the course students will have worked in groups to develop, deliver, evaluate and create an after action report for a tabletop exercise.

The first two-and-a-half days examines the conceptual and logistical principles of how to design, develop, and conduct operations and discussion-based exercises to test a community's policies, plans, and procedures. The course also examines the requirements of the HSEEP in all exercise types, along with practical application of exercise concepts.

The second part of the course provides guidance for evaluating the performance of tasks, activities, and capabilities during an exercise. It also provides guidance on the evaluation process, beginning with organizing an evaluation team through developing an After-Action Report/Improvement Plan (AAR/IP) through HSEEP.

**Prerequisites:** IS-120 and IS-139 (If you do not have an HSEEP toolkit password, please contact the course manager.)

**MI-TRAIN Course ID:** 1043370

**Dates and Location:** November 17-20, 2014 in Lansing  
February 2-5, 2015 in Lansing  
July 6-9, 2015 in Lansing

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## Gasoline Tank Truck Emergencies

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Gasoline tank trucks travel through almost every community in Michigan, and most of the time they safely deliver their product without incident. Unfortunately, when an accident does happen, it can quickly escalate to a major emergency. Is your department prepared if you are called to a gasoline tank truck that is rolled over, leaking, or on fire?

This eight-hour Gasoline Tank Truck Emergencies course will train responders on the proper steps to take at gasoline tank truck emergencies. This course will cover first responder operations including hot zone, rescue operations, emergency valve shut off, car vs. tanker with extrication, defensive leak control, and fire attack. Technician level topics will include dome clamp application, foam considerations, alternative fuels, scene management, bonding/grounding and overseeing product transfers. Command level topics will include strategy selection, developing incident action plans, evacuations, resource deployment, mutual aid/inter-agency cooperation, and environmental considerations.

**Hours:** 8

**Cost:** \$130

**MI-TRAIN Course ID:** 1029099

**Dates and Locations:** April 10, 2015 in Lansing  
August 31, 2015 in Lansing

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## Hazard Communication and Right-to-Know

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This one-day course is intended to comprehensively address the issue of evaluating the potential hazards of chemicals and communicating information concerning hazards and appropriate protective measures of employees. It will also assist in developing and maintaining a written hazard communication program for the workplace in compliance with 29 CFR 1910.1200 and MIOSHA Part 42, 92, and 430 the Michigan Hazard Communication and Right-to-Know Standard.

**Hours:** 8

**MI-TRAIN Course ID:** 1032780

Call (517) 322-1853 or email [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.



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## Hazard Mitigation/Comprehensive Plan Interface (G626)\*

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This two-day course provides participants with the skills needed for developing strategies that integrate hazard mitigation into the community's comprehensive planning process and master plan. The ultimate goal is to increase the public officials' understanding of the need to address mitigation issues.

**Prerequisites:** IS-230, IS-393, and IS-235

**MI-TRAIN Course ID:** 1017432

**Date and Location:** December 2-3, 2014 in Lansing  
June 2-3, 2015 in Ypsilanti

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## Hazardous Materials Incident Command Level Responder Refresher

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In accordance with OSHA CFR 1910.120 and MIOSHA Part 432 the HAZWOPER standards, those trained as Incident Commanders, first responder operational level responder, or hazmat technicians for response to hazmat incidents will require annual refresher training. "Those employees who are trained in accordance with the provisions of this rule (MIOSHA Part 432) shall receive annual refresher training of sufficient content and duration to remain competent with respect to their duties and functions or shall demonstrate competency in those areas at least yearly."

This one-day program will review competencies for Incident Commanders including knowing and being able to implement the employer's incident command system/emergency response plan/local emergency response plan, knowing and understanding the hazards and risks associated with employees who work in chemical protective clothing, being aware of the state emergency response plan and the federal regional response team, and knowing and understanding the importance of decontamination procedures.

**Prerequisites:** Hazardous Materials First Responder Operations, ICS 100, and ICS 200 or equivalent

**Hours:** 8

Call (517) 322-1853 or email [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

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## Hazardous Materials Incident Command System

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On scene incident commanders who will assume control of a hazardous materials incident scene beyond the first responder awareness level shall receive training equal to the first responder operations level of MIOSHA Part 432. Incident commanders must also be competent in knowing and being able to implement the employer's incident command system/employer's emergency response plan/local emergency response plan, knowing and understanding the hazards and risks associated with employees who work in chemical protective clothing, being aware of the state emergency response plan and the federal regional response team, and knowing and understanding the importance of decontamination procedures.

This one-day course will address all these competencies as well as those listed in NFPA 472, Chapter 8.

**Prerequisites:** First Responder Operations, ICS 100, and ICS 200

**Hours:** 8

Call (517) 322-1853 or email [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

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## Hazardous Materials Incident Response Operations EPA 165.5 (40-Hour HAZWOPER)

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Michigan's Emergency Management and Homeland Security Training Center is an approved external provider of this EPA 40-hour training program which is designed for personnel involved with the investigation and remediation of hazardous waste sites. Upon completion of this course, students will be more knowledgeable about hazardous waste site operations, team functions, personnel health and safety, and field monitoring equipment. The following topics are included in this course: hazard recognition, air monitoring, toxicology, respiratory protection, levels of protection and chemical protective clothing, site entry and reconnaissance, radiation survey instruments, decontamination, and response organization. This course is based on HAZWOPER 1910.120.

This course can also be brought to your facility, please call (517) 322-6320 or email [salinasp@michigan.gov](mailto:salinasp@michigan.gov) for cost and to schedule.

**Hours:** 40

**Cost:** \$250 (4 nights of double occupancy lodging included)

**MI-TRAIN Course ID:** 1029070

**Dates and Locations:** March 2-6, 2015 in Lansing  
September 21-25, 2015 in Lansing

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## Hazardous Materials Officer (NFPA 472, Chapters 11 and 12)

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This four-day course is intended to provide participants with the knowledge and skills necessary to meet the educational competencies as outlined in NFPA 472, Chapter 11: Competencies for the Hazardous Materials Branch Director/Group Supervisor and Chapter 12: Competencies for the Hazardous Materials Branch Safety Officer.

The Hazardous Materials Group Supervisor is the person responsible for directing and coordinating all operations assigned to the hazardous materials branch by the Incident Commander. The Hazardous Materials Assistant Safety Officer is the person working within the Unified Incident Command System (UICS) to ensure recognized safe practices are followed within the hazardous materials team.

The Hazardous Materials Officer program will also define the responsibilities and roles of specific Hazardous Materials Team functions of Entry Team Leader, Decon Team Leader, Site Access Control Team Leader, and Safe Refuge Area Manager.

This course is designed around lecture, group discussions, multiple tabletop exercises, and computer simulation exercises. This course can also be taught onsite at your department by sending a request to [garciat@michigan.gov](mailto:garciat@michigan.gov).

**Prerequisite:** Hazardous Materials Technician Parts I & II and ICS 100 & ICS 200 or equivalent

**Hours:** 32

**Cost:** \$340 (3 nights of double occupancy lodging included)

**MI-TRAIN Course ID:** 1034094

**Dates and Locations:** January 6-9, 2015 in Lansing  
June 1-4, 2015 in Lansing

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## Hazardous Materials Operations Level Responder Refresher

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In accordance with OSHA CFR 1910.120 and MIOSHA Part 432 the HAZWOPER standards, those trained as Incident Commanders, first responder operational-level responders, or hazmat technicians for response to hazmat incidents will require annual refresher training. "Those employees who are trained in accordance with the provisions of this rule (MIOSHA Part 432) shall receive annual refresher training of sufficient content and duration to remain competent with respect to their duties and functions or shall demonstrate competency in those areas at least yearly."

This program will address all defensive tactical responsibilities operational level trained personnel have for performing at hazmat incidents including:

- Knowledge of the basic hazard and risk assessment techniques.
- Knowing how to select and use proper personal protective equipment provided to the first responder operational level.
- Understanding basic hazardous materials terms.
- Knowing how to perform basic control, containment, and confinement operations within the capabilities of the resources and personal protective equipment available to their unit.
- Knowing how to implement basic decontamination procedures.
- Understanding relevant standard operating procedures and termination procedures.

**Prerequisite:** Hazardous Materials First Responder Operations

**Hours:** 8

Call (517) 322-1853 or email [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

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## Hazardous Materials Operations Level Response–Private Sector

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This program is designed for private sector and intended to provide the client with the minimum amount of training required under OSHA regulations and applicable MIOSHA rules. Course content includes implementing the employer's emergency response plan, use of field survey instruments to classify, identify, and verify hazardous materials used on site, incident command, use of personal protective equipment provided by the employer, decontamination, hazard/risk assessment, control/containment/confinement techniques, termination procedures, and basic chemical and toxicological terminology and behavior relevant to the materials used or stored on site.

**Prerequisite:** Hazard Communication and Right-to-Know or Hazardous Materials First Responder Awareness

**Hours:** 8, 16, or 24 hours—based upon each facility's site-specific hazards

**MI-TRAIN Course ID:** 1037212

Call (517) 322-1853 or email [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

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## Hazardous Materials Technician Level Responder Refresher

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In accordance with OSHA CFR 1910.120 and MIOSHA Part 432 the HAZWOPER standards, those trained as Incident Commanders, first responder operational level responders, or hazmat technicians for response to hazmat incidents will require annual refresher training. "Those employees who are trained in accordance with the provisions of this rule (MIOSHA Part 432) shall receive annual refresher training of sufficient content and duration to remain competent with respect to their duties and functions or shall demonstrate competency in those areas at least yearly."

This program will address all offensive tactical responsibilities technician level trained personnel have for performing at hazmat incidents including:

1. Knowing how to implement the employer's emergency response plan.
2. Knowing the classification, identification, and verification of known and unknown materials by using field survey instruments and equipment.
3. Being able to function within an assigned role in the incident command system.
4. Knowing how to select and use proper specialized chemical personal protective equipment provided to the hazardous materials technician.
5. Understanding hazard and risk assessment techniques.
6. Being able to perform advance control, containment, and confinement operations within the capabilities of the resources and personal protective equipment available to the unit.
7. Understanding and implementing decontamination procedures.
8. Understanding termination procedures.
9. Understanding basic chemical and toxicological terminology and behavior.

This course is eligible for Standardized E.M.S. Continuing Education Credits. Please reference the Pre-Approved Standardized CE Credits guide available at [http://www.michigan.gov/mdch/0,4612,7-132-2946\\_5093\\_28508-47472--\\_00.html#Forms\\_Pubs](http://www.michigan.gov/mdch/0,4612,7-132-2946_5093_28508-47472--_00.html#Forms_Pubs) for further details.

**Prerequisite:** Hazardous Materials Technician (24-hour, 40-hour, or 80-hour)

**Hours:** 8

**MI-TRAIN Course ID:** 1030540

Call (517) 322-1853 or email [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

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## Hazardous Materials Technician Level Response–Private Sector–24 Hour and 40 Hour

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This course provides information and skills needed to recognize, evaluate, and control an incident involving the release, or potential release, of hazardous materials at the technician level. The focus of this course is on recognizing and evaluating a hazardous materials incident, organizing the response team, identifying and using response resources, decision-making, and protecting the public and environment. Participants will wear fully encapsulating chemical protective ensembles.

This course addresses the training competencies of 29 CFR 1910.120 and Michigan's CIS/OHS-HAZWOPER Part 432.

Course content includes implementing the employer's emergency response plan, use of field survey instruments to classify, identify, and verify hazardous materials used on-site, incident command, use of personal protective equipment provided by the employer, decontamination, hazard/risk assessment, control/containment/confinement techniques, termination procedures, and basic chemical and toxicological terminology and behavior relevant to the materials used or stored on-site. Students will qualify to perform limited offensive tactics required for site specific hazards.

The course length will be a minimum 24 hours up to 40 hours. A site hazard analysis will be performed of the facility to determine the recommended length the program should be.

**Prerequisite:** Hazardous Materials First Responder Operations

**Hours:** 24 or 40

**MI-TRAIN Course ID:** 1033199

Call (517) 322-1853 or email [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

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## Hazardous Materials Technician Part I

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This course provides information and skills needed to recognize, evaluate, and control an incident involving the release, or potential release, of hazardous materials at the technician level. The focus of this course is on recognizing and evaluating a hazardous materials incident, organizing the response team, identifying and using response resources, decision-making, and protecting the public and environment. This course contains approximately 24 hours of classroom presentation, and 16 hours of hands-on exercises and equipment use, thus allowing for the practical application of all lecture and hands-on information the students have received. Participants will wear fully encapsulating chemical protective ensembles.

This course has been completely reworked and overhauled to better meet the needs of the hazardous materials response community to achieve the NIMS requirements for Hazardous Materials Response Teams and addresses the competencies of 29 CFR 1910.120, Michigan's CIS/OHS-HAZWOPER Part 432, NFPA 472, and HMEP Guidelines for Public Sector Hazardous Materials Training. The new program is based on an 80-hour training curriculum that is broken down into many formats to allow more responders the opportunity to attend the training.

**Prerequisite:** Hazardous Materials First Responder Operations

**Hours:** 40

**Cost:** \$250 (4 nights of double occupancy lodging included)

**MI-TRAIN Course ID:** 1029020

**Dates and Locations:** March 23-27, 2015 in Lansing

May 11-15, 2015 in Lansing

September 14-18, 2015 in Lansing

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## Hazardous Materials Technician Part II

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This advanced-level course includes specific training about a variety of fixed site and transportation topics an emergency responder is likely to encounter. Instruction and practical application is included regarding small package goods, chlorine cylinders, drum patching/handling, highway cargo tanks, railroad tank cars, product transfer operations, and above-ground storage tanks. The skills learned are reinforced through a variety of hands-on applications and response scenarios.

This course has been completely reworked and overhauled to better meet the needs of the hazardous materials response community to achieve the NIMS requirements for Hazardous Materials Response Teams and addresses the competencies of 29 CFR 1910.120, Michigan's CIS/OHS-HAZWOPER Part 432, NFPA 472, and HMEP Guidelines for Public Sector Hazardous Materials Training. The new program is based on an 80-hour training curriculum that is broken down into many formats to allow more responders the opportunity to attend the training.

**Prerequisite:** Hazardous Materials Technician Part I

**Hours:** 40

**Cost:** \$250 (4 nights of double occupancy lodging included)

**MI-TRAIN Course ID:** 1029041

**Dates and Locations:** \*October 17-19 and 24-26, 2014 in Lansing

April 13-17, 2015 in Lansing

August 17-21, 2015 in Lansing

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\* Weekend Course Hours: Friday 6 PM-10 PM, Saturday and Sunday 8 AM-5 PM

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## Hazardous Materials Technician Part II Refresher

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This one-day refresher course is designed for the first responder who desires hands-on application of skills learned in the Hazardous Materials Technician Part I and II courses. The majority of this class will be practical and scenario based training from an operational perspective. The students will be expected to don personal protective equipment and solve "real world" emergencies involving hazardous materials. Each year the emphasis of this class will change to foster a continuous improvement of the Hazardous Materials Technicians' competencies.

**Prerequisite:** Hazardous Materials Technician Part I and II or the equivalent

**Hours:** 8

**Cost:** \$175

**MI-TRAIN Course ID:** 1052412

**Dates and Locations:** April 27, 2015 in Lansing

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## Hazardous Waste Operations (HAZWOPER) 8-Hour Refresher

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This one-day course provides participants with the opportunity to review and practice the skills originally presented in 24-hour and 40-hour training programs. This course is intended to meet OSHA annual refresher training requirements in accordance with 29 CFR 1910.120, Paragraphs e and q.

This course can also be held at your facility and delivered to a group. For additional information, or for the cost of holding this course at your facility, please call (517) 322-6320 or email [salinasp@michigan.gov](mailto:salinasp@michigan.gov).

**Prerequisite:** 24-hour or 40-hour HAZWOPER course

**Hours:** 8

**Cost:** \$130

**MI-TRAIN Course ID:** 1029004

**Dates and Locations:** December 5, 2014 in Lansing  
March 9, 2015 in Lansing  
April 24, 2015 in Lansing  
September 3, 2015 in Lansing

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## Hazardous Waste Operations for Site Supervisors

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Developed for on-site management and supervisory personnel, this one-day course provides instruction as required by MIOSHA Rule 325.52110(5). Topics include developing and/or implementing the employer's safety and health program, employee training programs, personal protective equipment program, spill containment, and health hazard monitoring procedures and techniques.

**Hours:** 8

Call (517) 322-1853 or email [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

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## HazMatIQ Above the Line/Below the Line

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The HazMatIQ Above the Line/Below the Line system is developed by responders, for responders and only available from HazMatIQ. The HazMatIQ system incorporates trademarked innovative street smart "Cheat Sheets" that enable responders to safely and efficiently respond to any known or unknown chemical or mixture. Students taking this course will be able to size-up (physical state, hazards, initial hot zone, correct meters and PPE) any chemical in minutes. The system then coaches responders through a streamlined chemical research method to verify their initial size-up, preparing responders to immediately go to work when they arrive on a Hazardous Materials/WMD event.

**Hours:** 8

**Cost:** \$130

**MI-TRAIN Course ID:** 1033943

**Dates and Locations:** January 21, 2015 in Lansing  
September 2, 2015 in Lansing

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## HazMatIQ First Responder Offensive

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The HazMatIQ First Responder Offensive system incorporates the proven “Above the Line/Below the Line” size-up tool while instructing First Responders equipped with a handful of instruments, whether they can safely enter the Hot Zone to attempt a rescue. This is accomplished by teaching responders how to use and understand meters (Radiation meter, 4-gas meter and Temperature Gun) and reagent papers (pH and F papers). This equipment assures their safety when they choose to enter the hot zone to attempt a rescue.

**Hours:** 4

**Cost:** \$65

**MI-TRAIN Course ID:** 1033910

**Dates and Locations:** April 6, 2015 (1-5 PM) in Lansing  
April 6, 2015 (6-10 PM) in Lansing

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## Highway Cargo Tank Specialty

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This three-day course is designed and intended for hazardous materials team members who respond to releases, or potential releases, of hazardous materials from cargo tank trucks for the purpose of controlling the releases. This program provides the responder with the knowledge and skills necessary to analyze an incident involving a cargo tank truck, to plan a response within the capabilities and competencies of available personnel and equipment, and to implement the planned response to mitigate the hazardous incident. Responders will be given several scenarios in this class including both tabletop and hands-on exercises using real tank trucks.

**Prerequisites:** Hazardous Materials Technician

**Hours:** 24

**Cost:** \$390 (2 nights of double occupancy lodging included)

**MI-TRAIN Course ID:** 1034713

**Dates and Locations:** October 6-8, 2014 in Lansing

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## ICS 300–Intermediate ICS for Expanding Incidents

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This 2.5 day course provides training on and resources for personnel who require advanced application of the Incident Command System (ICS). This course expands upon information covered in the ICS-100 and ICS-200 courses. The course objectives are to describe how the National Incident Management System (NIMS) Command and Management component supports the management of expanding incidents and describe the Incident/Event Management process for supervisors and expanding incidents as prescribed by the Incident Command System (ICS). Also covered is the implementation of the Incident Management process on a simulated Type 3 incident and development of an Incident Action Plan for a simulated incident.

The target audience for this course is for individuals who may assume a supervisory role in expanding incidents or Type 3 incidents. Note: During a Type 3 incident, some or all of the command and general staff positions may be activated, as well as division/group supervisor and/or unit leader level positions. These incidents may extend into multiple operational periods.

This course is MCOLES approved for 302 funds. It is also eligible for Standardized E.M.S. Continuing Education Credits. Please reference the Pre-Approved Standardized CE Credits guide available at [http://www.michigan.gov/mdch/0,4612,7-132-2946\\_5093\\_28508-47472--,00.html#Forms\\_Pubs](http://www.michigan.gov/mdch/0,4612,7-132-2946_5093_28508-47472--,00.html#Forms_Pubs) for further details.

**Prerequisites:** ICS-100, ICS-200, IS-700, and IS-800

**Hours:** 18

**Cost:** No cost

**MI-TRAIN Course ID:** 1029037

**Dates and Locations:** October 21-23, 2014 in Lansing  
March 10-12, 2015 in Lansing

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(The last day of the course the end time is noon.)



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## ICS-400 Advanced ICS Command and General Staff–Complex Incidents

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This two-day course provides training on and resources for personnel who require advanced application of the Incident Command System (ICS). This course expands upon information covered in the ICS-100, ICS-200, and ICS-300 courses. The target audience for this course is senior personnel who are expected to perform in a management capacity in an area command or multi-agency coordination entity.

The course objectives are to explain how major incidents engender special management challenges, describe the circumstances in which an area command is established, and describe the circumstances in which multiagency coordination systems are established.

This course is MCOLES approved for 302 funds. It is also eligible for Standardized E.M.S. Continuing Education Credits. Please reference the Pre-Approved Standardized CE Credits guide available at [http://www.michigan.gov/mdch/0,4612,7-132-2946\\_5093\\_28508-47472--,00.html#Forms\\_Pubs](http://www.michigan.gov/mdch/0,4612,7-132-2946_5093_28508-47472--,00.html#Forms_Pubs) for further details.

**Prerequisites:** ICS-100, ICS-200, ICS-300, IS-700, and IS-800

**Hours:** 16

**Cost:** No cost

**MI-TRAIN Course ID:** 1029045

**Dates and Locations:** April 28-29, 2015 in Lansing

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## Incident Command System (ICS) Private Sector

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Private organizations working to implement a crisis or incident management structure as part of their business continuity program often look to available public standards for guidance. One such structure, a standard practice throughout much of the public sector, is called the Incident Command System, or ICS. This two-day program introduces the Incident Command System (ICS) and provides the foundation for higher level ICS training. This course describes the history, features, principles, and organizational structure of the Incident Command System. It also explains the relationship between ICS and the National Incident Management System (NIMS).

**Hours:** 16

**MI-TRAIN Course ID:** 1037214

Call (517) 322-1853 or email [garcia@michigan.gov](mailto:garcia@michigan.gov) for cost and to schedule.

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## Incident Command System/Emergency Operations Center Interface (G191) \*

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This one-day course highlights the concepts and interaction between two disaster management systems: the Incident Command System and the Emergency Operations Center. Both elements will be studied as integral parts of the National Incident Management System required in disaster response. Discussion will examine issues in communication, coordination, and decision making enabling participants to properly plan for response and recovery.

**Prerequisites:** IS-100, IS-200 (or IS-200.HC), and ICS-300

**Suggested Courses:** IS-701 and ICS-400

**MI-TRAIN Course ID:** 1017942

**Dates and Location:** January 12, 2015 in Lansing  
May 13, 2015 in Traverse City

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## Intermodal Specialty for Hazardous Materials Technicians

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Intermodal containers are containers which can be used interchangeably in different modes of transportation. Examples of intermodal containers include both tank and box containers. More than four million such containers are in use around the world. Problems may arise when hazardous materials are packed - whether properly or improperly - inside intermodal containers and external markings are not present to warn workers or emergency responders of the contents.

This two-day program provides information for emergency responders and industry personnel who work with or who may respond to emergencies involving intermodal containers. It covers:

- How intermodal containers are constructed and used
- How accidents happen
- Standards for IMO Type 1, Type 2, Type 5 and Type 7 containers
- Features of specialized containers
- Safety procedures to minimize accidents during loading and unloading operations
- Procedures for safe response to emergencies involving both tank and box containers
- Identifying hazardous materials
- Using protective clothing
- Isolating the accident scene
- Managing leaks and fires

This program will meet all competencies in NFPA 472 Chapter 14 "Competencies for Technicians with an Intermodal Tank Specialty."

**Prerequisite:** Hazardous Materials Technician NFPA 472 Chapter 7 compliance

**Hours:** 16

Call (517) 322-1853 or email [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

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## Mercury Spill Response

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Both public and private sector hazardous materials responders are presented with many challenges when operating at a mercury-spill emergency. These challenges include mercury vapor monitoring capabilities, personnel protection, product recovery, and removal. This 4-hour training course will introduce risk based response tactical guidelines, emergency handling techniques, and toxicological effects for mercury related spills.

**Hours:** 4

**MI-TRAIN Course ID:** 1032685

E-mail [salinasp@michigan.gov](mailto:salinasp@michigan.gov) or call (517) 322-6320 for cost and to schedule.

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## MI CIMS (WebEOC) End-User Training-Local Emergency Management Responders

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This is a 4-hour instructor led classroom based MI CIMS (WebEOC) End User Training computer training course for those who will need access to WebEOC during emergencies, disasters, and special events in Michigan. **A participant for this class MUST have an assigned position with a Local Emergency Operations Center (EOC) in Michigan.** All participants will be verified with their Emergency Management Coordinator before class. Anyone that is not able to be verified as associated with an Emergency Management Program will not be allowed to participate in class. A responder must attend a MI CIMS End User Training course in order to gain access into the system. These classes are not intended for those associated with a State Agency or the SEOC (please see course ID: 1034725).

**Prerequisites:** Sponsorship from a local Emergency Management Coordinator

**MI-TRAIN Course ID:** 1034950

**Dates and Location:** Various dates (See MI-TRAIN)

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## Michigan Specific Core EM Knowledge Requirement (MI-CEMKR) \*

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The three-day MI-CEMKR provides everything a Michigan emergency manager would need to know, or where to go for the information, in order to be effective in performing the essential duties of their job. Topics include on Public Act 390 of 1976, the Michigan Emergency Management Plan, Local Emergency Planning, Damage Assessment, Emergency Communications, and other Michigan emergency management essentials.

**Prerequisites:** [The FEMA Independent Study \(IS\) Professional Development Series](#) (7 online courses); [NIMS Training](#) (IS-100, 200, 700, and 800); [Damage Assessment Teams](#) (online course); [Damage Assessment for EOC Staff](#) (online course); and [Grants and Resources](#) (online course)

**Suggested Courses:** IS-1, IS-7, and IS-775

**MI-TRAIN Course ID:** 1046211

**Dates and Location:** September 17-19, 2014 in Sault Ste. Marie

November 5-7, 2014 in Lansing

March 16-18, 2015 in Lansing

July 20-22, 2015 in Lansing

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## NIMS ICS All-Hazards Finance/Administration Course (E/L 973)

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This four-day course provides local- and State-level emergency responders with a robust understanding of the duties, responsibilities, and capabilities of an effective Finance/ Administration Section Chief on an All-Hazards Incident Management Team (AHIMT). These responsibilities fall into two categories: 1) managing the Finance/ Administration Section personnel, and 2) managing the finances and administrative responsibilities during an incident. Exercises, simulations, discussions, and a final exam enable participants to process and apply their new knowledge.

**Prerequisites:** ICS-100, ICS-200, ICS-300, ICS-400, IS-700 and IS-800

**Hours:** 24

**Cost:** \$289 (2 nights of double occupancy lodging included)

**MI-TRAIN Course ID:** 1052483

**Dates and Locations:** April 7-9, 2015 in Lansing

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## NIMS ICS All-Hazards Logistics Section Chief Course (E/L 967)

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This four-day course provides local- and State-level emergency responders with a robust understanding of the duties, responsibilities, and capabilities of an effective Logistics Section Chief on an All-Hazards Incident Management Team (AHIMT). These responsibilities fall into two categories: 1) responding to the incident, and 2) effectively fulfilling the position responsibilities of a Logistics Section Chief on an AHIMT. Exercises, simulations, discussions, and a final exam enable participants to process and apply their new knowledge.

**Prerequisites:** ICS-100, ICS-200, ICS-300, ICS-400, IS-700 and IS-800

**Hours:** 40

**Cost:** \$399 (4 nights of double occupancy lodging included)

**MI-TRAIN Course ID:** 1052491

**Dates and Locations:** February 23-27, 2015 in Lansing

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## NIMS ICS All-Hazards Operations Section Chief Course (E/L 958)

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This four-day course provides local- and State-level emergency responders with a robust understanding of the duties, responsibilities, and capabilities of an effective Operations Section Chief (OSC) on an All-Hazards Incident Management Team (AHIMT). These responsibilities fall into two categories: 1) responding to the incident and the command needs of the incident, and 2) effectively fulfilling the position responsibilities of an OSC on an AHIMT. Exercises, simulations, discussions, and a final exam enable participants to process and apply their new knowledge.

**Prerequisites:** ICS-100, ICS-200, ICS-300, ICS-400, IS-700 and IS-800

Note: Completion of the ICS 400 course is highly recommended for all Position Specific training classes, and is a requirement to serve as an instructor for the program.

**Hours:** 32

**Cost:** \$349 (3 nights of double occupancy lodging included)

**MI-TRAIN Course ID:** 1052492

**Dates and Locations:** January 27-30, 2015 in Lansing

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## NIMS ICS All-Hazards Planning Section Chief Course (E/L 962)

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This four-day course provides local- and State-level emergency responders with a robust understanding of the duties, responsibilities, and capabilities of an effective Planning Section Chief on an All-Hazards Incident Management Team (AHIMT). These responsibilities fall into two categories: 1) managing the planning cycle, and 2) tracking resources and incident status. Exercises, simulations, discussions, and a final exam enable participants to process and apply their new knowledge.

**Prerequisites:** ICS-100, ICS-200, ICS-300, ICS-400, IS-700 and IS-800

**Hours:** 32

**Cost:** \$349 (3 nights of double occupancy lodging included)

**MI-TRAIN Course ID:** 1052496

**Dates and Locations:** February 9-12, 2015 in Lansing

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## Permit Required Confined Space (PRCS) Entry–Private Sector

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This three-day course is designed to increase the student's knowledge of hazards associated with permit-required confined space entry. Topics include the OSHA required confined space entry standard, hazards associated with entry procedures, personal protective equipment, and related limitations. The course objective is determining if an area is a confined space by:

- Analyzing hazards to determine if the space is a PRCS.
- Recognizing, evaluating, preventing, and abating safety and health hazards associated with PRCS entry.
- Documenting violations of the permit-required confined space standards.
- Evaluating or writing a specific permit-required confined space program.

**Hours:** 24

Call (517) 322-1853 or email [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

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## Professional Emergency Manager (PEM) Designation Exam \*

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The Professional Emergency Manager Designation exam is a comprehensive set of 100 questions covering the five phases of emergency management. Successful candidates will receive the title of Professional Emergency Manager after fulfilling the requirements of the Professional Emergency Manager Program and passing the test with 75% or higher.

**Prerequisites:** Completion of the requirements set forth in the PEM program

**MI-TRAIN Course ID:** 1018983

**Dates and Locations:** December 4, 2014 in Lansing  
April 20, 2015 in Lansing  
August 7, 2015 in Lansing

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## Professional Recognition Programs

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### NFPA 472 Hazardous Materials Technician Level Compliance Program

Emergency responders requiring the need to acquire hazardous materials technician level training compliant with NFPA, will need to complete the following programs and successfully complete a comprehensive examination over all subject material.

Hazardous Materials Awareness Level Response or equivalent .....	4 Hours
Hazardous Materials Operations Level Response or equivalent .....	24 Hours
Emergency Response to Terrorism Awareness Level .....	4 Hours
WMD Radiological/Nuclear Responder Operations Course.....	24 Hours
Incident Command System 100/200 Level training or equivalent .....	16 Hours
EMI Independent Study-Emergency Planning (online) .....	10 Hours
EMI Independent Study-Hazardous Materials Contingency Planning (online) .....	1 Hour
Hazardous Materials Technician I and II .....	80 Hours
Evidence Collection and Sampling Techniques Program .....	16 Hours
Chemistry I .....	24 Hours
Air Monitoring for Emergency Response (EPA 165.4) .....	24 Hours
<b>Total Hours .....</b>	<b>227 Hours</b>

Call (517) 322-1853 or email [garciat@michigan.gov](mailto:garciat@michigan.gov) for information or to schedule a test date.

### Professional Recognition Program

The Emergency Management and Homeland Security Training Center has joined forces with several organizations in Michigan to develop a professional recognition program for hazardous materials and technical rescue planners, responders, professionals, and instructors in Michigan. The Emergency Management and Homeland Security Division, through its Emergency Management & Homeland Security Training Center, firmly believes our primary mission is to raise the professional standing of the field of hazardous materials planning, mitigation, and response by providing leadership and coordination through instructional programs and other skill enhancement opportunities. Becoming recognized as a hazardous material "professional" is for anyone with a commitment to both personal and system development. This is NOT just another required program. In fact, the achievement of these professional levels is strictly optional. We are confident, however, these programs will provide the opportunity for individuals to reach a higher level of competency and leadership capability in their chosen field, and improve the organizations to which they belong. Completion of this program can lead to a college degree.

### Hazardous Materials Professional Recognition Program

This program requires successful completion of the following hazardous materials related courses and a comprehensive examination. These courses include:

NFPA 472 Hazardous Materials Technician Level Compliant Program.....	227 Hours
Chemistry II.....	24 Hours
Advanced Air Monitoring.....	24 Hours
Highway Cargo Tank Specialty.....	24 Hours
Railcar Specialty for Hazardous Materials Technician .....	24 Hours
Intermodal Specialty for Hazardous Materials Technician .....	16 Hours

Call (517) 322-1853 or email [garciat@michigan.gov](mailto:garciat@michigan.gov) for information or to schedule a test date.

### Bachelor Degree

Siena Heights University and the Michigan State Police, Emergency Management and Homeland Security Training Center (MSP/EMHSTC) have teamed up to offer firefighters, hazardous materials team members, and other responders the opportunity to achieve a bachelor degree in public safety. After completing the Hazardous Materials Emergency Response Professional Recognition Program developed by the EMHSTC and the Michigan Association of Hazardous Materials Responders (MAHMR), the interested individual will receive a certificate worth 35 credit hours and can apply for acceptance into Siena Heights University's Bachelor of Public Safety program. It takes 120 credit hours to achieve this goal. Additional credit will be granted for completion of Firefighter I and II as well as emergency medical training.

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## Railcar Specialty for Hazardous Materials Technician

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The goal of the competencies at this level shall be to provide the hazardous materials technician with a tank car specialty with the knowledge and skills to perform tasks safely. It is in compliance with NFPA 472, Chapter 12.1.2.1.

When responding to hazardous materials/WMD incidents, the hazardous materials technician with a tank car specialty shall be able to perform the following tasks:

1. Analyze a hazardous materials/WMD incident involving tank cars to determine the complexity of the problem and potential outcomes by completing the following tasks:
  - a. Determine the type and extent of damage to tank cars.
  - b. Predict the likely behavior of tank cars and their contents in an emergency
2. Plan a response to an emergency involving tank cars within the capabilities and competencies of available personnel, personal protective equipment, and control equipment by determining the response options (offensive, defensive, and nonintervention) for a hazardous materials/WMD incident.
3. Implement or oversee the application of the planned response to a hazardous materials/WMD incident involving tank cars. NFPA 472, Chapter 12.1.2.2

**Prerequisites:** Hazardous Materials Technician Part I and II

**Hours:** 24

**MI-TRAIN Course ID:** 1029065

Email [tackettc1@michigan.gov](mailto:tackettc1@michigan.gov) for cost and to schedule.

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## WMD Awareness Level Training (AWR 160)

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Developed by the National Domestic Preparedness Consortium (NDPC), the WMD (Weapons of Mass Destruction) Awareness-Level Training Course is a six-hour program that provides emergency responders with awareness-level instruction on recognition, avoidance, isolation, and notification techniques in a WMD environment. The course covers prevention and deterrence and chemical, biological, radiological, nuclear, and explosive (CBRNE) hazards. This course is eligible for Standardized E.M.S. Continuing Education Credits. Please reference the Pre-Approved Standardized CE Credits guide available at [http://www.michigan.gov/mdch/0,4612,7-132-2946\\_5093\\_28508-47472--,00.html#Forms\\_Pubs](http://www.michigan.gov/mdch/0,4612,7-132-2946_5093_28508-47472--,00.html#Forms_Pubs) for further details.

**Hours:** 8

**MI-TRAIN Course ID:** 1029043

Call (517) 322-1585 or email [darlingm1@michigan.gov](mailto:darlingm1@michigan.gov) to schedule.

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## WMD Radiological/Nuclear Awareness (AWR-140)

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This six-hour course is a Federal Emergency Management Agency, National Domestic Preparedness Consortium (FEMA/NDPC) certified training course which is a WMD radiological/nuclear overview designed for first responders and other personnel who, in the course of their normal duties, are likely to be the first to arrive on the scene of a radiological/nuclear incident. It focuses on the basics of radiation, possible health effects, hazard identification, proper notification procedures, and the radiological/nuclear threat.

This course is eligible for Standardized E.M.S. Continuing Education Credits. Please reference the Pre-Approved Standardized CE Credits guide available at [http://www.michigan.gov/mdch/0,4612,7-132-2946\\_5093\\_28508-47472--,00.html#Forms\\_Pubs](http://www.michigan.gov/mdch/0,4612,7-132-2946_5093_28508-47472--,00.html#Forms_Pubs) for further details.

**Hours:** 6

Call (517) 322-6320 or email [thompsonc3@michigan.gov](mailto:thompsonc3@michigan.gov) to schedule.



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## Workshop in Emergency Management: Legal Issues in Emergency Management (G222)

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This one-day workshop discusses current laws and legal issues in emergency management and homeland security. Topics covered are the Michigan Emergency Management Act, Public Health Codes, fire law and code, police powers, mutual aid compacts, liability issues, and annual updates regarding current disaster case law.

**Target audience:** This course is strongly recommended for all emergency managers (public and private) including EMHSD staff, and state agency/local emergency management coordinators and their staff.

**MI-TRAIN Course ID:** 1017947

**Dates and Location:** December 15, 2014 in Lansing  
April 1, 2015 in Lansing

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## ONLINE COURSES

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### CBRNE Defensive Operations LANX Chemical Protective Overgarment Video

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This video will demonstrate the proper procedures for donning and doffing the LANX Chemical Protective Overgarment (CPO) when responding to a CBRNE or WMD event.

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### Damage Assessment for Emergency Operations Center Staff \*

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Damage Assessment for Emergency Operations Center Staff online course examines the concepts of disaster assessment and information management, which is vital to obtain assistance after an emergency or disaster. This includes data compilation, analysis, and dissemination. The course will highlight proper reporting using MI CIMS.

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### Damage Assessment Teams \*

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The Damage Assessment Teams online course was developed to help individuals who will be rating damage in the field. The course provides information on the Damage Assessment Classification System, Impact Analysis, Completing the Damage Assessment Worksheet, and Visual Documentation Guidelines.

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### Grants and Resources \*

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This online course presents a high-level overview of the 12 primary grant programs and their functions. While these are the primary programs administered by MSP/EMHSD, it should be noted that there are occasions when additional grant programs may be administered by the Division. It is also important to recognize that each program discussed encompasses unique facets that are specific to the individual programs. Potential sub grant recipients are encouraged to closely examine grant programs on an individual basis to become more familiar with the program requirements and processes.

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## **Hazmat/WMD Air Monitoring**

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The purpose of this online module is to introduce the participant to the basic techniques for surveying the scene of hazardous materials and identifying environmental conditions that pose a threat to the First Responder at the Operations Level.

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## **Hazmat/WMD Awareness**

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The primary purposes of this online module is to introduce private and public service personnel to the “first responder” concept; and to emphasize the importance of the first responder’s safety at hazardous materials incidents, whether those incidents are intentional or accidental.

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## **Hazmat/WMD Characteristics of Hazardous Materials**

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The purpose of this online module is to define chemical and physical properties of HazMat/WMD materials that may be accidentally or intentionally released. Understanding characteristics of HazMat/WMD agents will allow the first responder to predict and estimate likely harm and consequences of a release of hazardous materials.

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## **Hazmat/WMD Chemical Spill Scenario**

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The purpose of this online module is to allow first responders to perform during response to a HazMat/WMD release. Responders will be required to practice standard operating guidelines and safe work practices.

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## **Hazmat/WMD Decontamination**

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The purpose of this online module is to prepare First Responders at the Operations Level to be able to reduce and prevent the spread of contamination from persons and equipment used at a hazardous materials incident by physical and/or chemical processes.

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## **Hazmat/WMD Personal Protective Equipment**

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The purpose of this online module is to introduce the participant to personal protective equipment (PPE) used during response to HazMat/WMD incidents. The four levels of protection defined by EPA will be explained the application of firefighter turn out gear with SCBA for HazMat/WMD response will be discussed.

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## **Hazmat/WMD Regulations**

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The purpose of this online module is to introduce the first responder to federal and state regulations that require those who respond to HazMat/WMD emergencies to be competent to perform safely and effectively in compliance with OSHA, NFPA, and HMEP guidelines.

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## **Hazmat/WMD Terrorism**

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The purpose of this online module is to prepare responders to safely and efficiently recognize and respond to hazardous materials emergencies involving terrorism or other illicit use of hazardous materials.

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## **Hazmat/WMD Toxicology**

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The purpose of this online module is to inform participants of the different ways hazardous materials can be harmful. It will also inform participants of the components of a Medical Surveillance Program required for HazMat/WMD first responders.

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## **Radiological Emergency Preparedness (REP) Basic**

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The Radiological Emergency Preparedness (REP) course is designed to provide basic preparedness information for the off-site responders involved in an incident at one of Michigan's nuclear power plants.

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